				Project	Total	Annual	Annual CO	Cost Per	Coat Don		
			Invest Type	Capital Cost	Annual Benefit	VMT Reduced	Annual CO ₂ Reduced	VMT Reduced	Cost Per Ton CO ₂	Benefit/	
RTP ID#	Project Title	County	[1]	('07\$M)	('07\$M)	(mill) [2]	(tons) [2]		reduced [2]		Notes
B/C Ratio	o of 10 or higher	·				, , , , ,	, , , , ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	AC Transit Transit Priority Measures (TPM) and Corridor Improvements*	Alameda	NC/V	\$38.3	\$56.5	12.1	720	\$0.2	\$2,700	30	
230111	*AC Transit submitted additional TPM components consisting of										
	Grand/Maritime HOT on-ramp and Bay Bridge contraflow lane, which are not included in this assessment. Preliminary off-model analysis suggests these										
	components have significant benefits for transit riders and merit further										
	examination.										
230419	Freeway Performance Initiative	Bay Area	NC	\$600.0	\$1,593.5	-66.2	202,000	-\$0.8	\$300	28	
		Region/ Multi-									
Various	Santa Clara HOT Corridors: US 101, SR 87, SR 85, SR 237, I-880, I-280, I-	County Santa Clara	NC	\$777.9	\$1,030.9	310.7	246,000	\$0.1	\$200	25	
various	680	Santa Ciara	INC	φ111.9	φ1,030.9	310.7	240,000	φυ.1	\$200	25	
	(RTP ID#230248, 230404, 230254, 230259, 230258, 230278, 230280,										
	230264, 230263, 230256, 230257, 230270, 230272, 230281, 230275,										
000000	230260, 230276) Regional HOT Network and express bus enhancement	Marki Oarrata	NO	00.004.0	00.705.0	704.5	040.000	000	0000	40	
230369, 230610	Regional HOT Network and express bus enhancement	Multi-County	NC	\$3,281.6	\$3,795.9	781.5	610,000	\$0.3	\$300	18	
	Bus Rapid Transit (BRT)/Transit Preferential Streets (TPS) (sales tax project)	San	NC	\$418.2	\$350.5	50.2	4,500	\$0.4	\$4,650	17	
		Francisco					,		. ,		
22776	Route 84 Expressway Widening	Alameda	NC	\$124.0	\$90.8	5.9	13,000	\$1.2	\$500	13	
230161	Van Ness Avenue BRT	San	NC	\$76.1	\$39.6	7.2	200	\$0.5	\$19,000	10	
B/C Ratio	o of 5 to 9	Francisco									
	I-580 (Altamont Pass) Westbound Truck Climbing Lane	Alameda	V	\$75.6	\$31.8	-0.5	-4.900	-\$7.6	-\$800	8	
21902,	US 101 SB HOV lane extension (Railroad/ Pepper to Petaluma River Bridge)	Multi-County/	NC	\$926.8	\$378.7	-36.6	-2,090	-\$1.3	-\$24,000	8	
	and Marin-Sonoma Narrows (SB: Petaluma River Bridge to Rowland; NB:	Bay Area									
98154, 98147*	north of Atherton Avenue to north of East Washington Ave)	Region									
Various	Alameda HOT Corridors: I-680, I-580, I-880, I-238	Alameda	NC	\$1,550.9	\$663.4	188.6	130,000	\$0.5	\$700	7	
vanous	(RTP ID#230088, 230089, 230609, 22042, 22668, 22664, 230241)	Alameda	140	ψ1,550.5	ψ005.4	100.0	130,000	Ψ0.5	Ψ/00	,	
230164	Geary Boulevard BRT	San	NC	\$190.5	\$64.2	6.9	200	\$1.4	\$47,600	7	
		Francisco									
22700	Parallel corridor north of I-80 from Red Top Road to Abernathy Road (the western section extends from the railroad crossing on Red Top Road	Solano	NC	\$68.0	\$25.3	7.7	5,000	\$0.5	\$800	6	
22351*	I-680 NB HOV lane extensions (North Main to SR-242 and north of Benicia	Multi-County	V	\$193.0	\$74.3	-18.3	2,800	-\$0.7	\$4,400	6	
	Bridge to I-80) and HOV lane connector NB I-680 to EB I-80	main obanity		Ψ100.0	ψ1 1.0	10.0	2,000	ΨΟ.7	ψ1,100	Ů	
21902,	US 101 SB HOV lane extension (Railroad/ Pepper to Petaluma River Bridge)	Sonoma	NC	\$124.0	\$36.6	-4.2	-7,140	-\$1.7	-\$980	5	
230413*											
22145, 22958	SR 237/US 101 improvements: a) Widen westbound Route 237 on-ramp to northbound US 101 to 2 lanes and add auxiliary lane on northbound US 101	Santa Clara	NC/V	\$73.0	\$20.3	-0.1	3,900	-\$47.6	\$1,000	5	
22958	from Route 237 on-ramp to b) US 101 southbound to eastbound Route 237										
	connector improvements										
22013	Eastbound I-580 Truck Climbing Lane	Alameda	NC	\$64.2	\$17.6	-0.5	-3,300	-\$7.4	-\$1,000	5	
230569*	I-80 EB & WB HOV lanes between Airbase Parkway and I-505	Solano	NC	\$132.0	\$45.8	-22.9	-1,000	-\$0.4	-\$10,000	5	
Various	Local Streets and Roadway Maintenance Shortfall	Regional	NC	\$8,208.0	\$1,573.0	N/A	N/A	N/A	N/A	5	B/C based on dollars saved by performing maintenance on time.
											Average annual benefit for high
0.44=:		0.1	No.	* • • • •	A 4			A		_	funding scenario
94151	Construct 4-lane Jepson Parkway from Route 12 to Leisure Town Road	Solano	NC	\$182.0	\$46.6	-2.0	15,000	-\$5.1	\$700	5	<u> </u>

				Project	Total	Annual		Cost Per			
				Capital	Annual	VMT	Annual CO ₂	VMT	Cost Per		
			Invest Type	Cost	Benefit	Reduced	Reduced	Reduced	Ton CO ₂	Benefit/	
RTP ID#	Project Title	County	[1]	('07\$M)	('07\$M)	(mill) [2]	(tons) [2]		reduced [2]		Notes
B/C Ratio	o of 1 to 4					, , , , ,	, , , , ,	, , , , , ,			
		Alameda	NC	\$1,042.0	\$187.7	6.6	1,000	\$6.8	\$44,600	4	
	Station to Greenville Road in the I-580 median			. ,							
230477	SR 12 Improvements: Phase 1	Solano	NC	\$100.0	\$21.4	-13.8	-4,700	-\$0.4	-\$1,300	4	
230060	Marin County Local Transit Enhancement on 6 Key Corridors	Marin	NC	\$27.3	\$6.9	1.9	200	\$1.0	\$9,750	4	
230326,	I-80/I-680/SR12 Interchange: Phase 1 plus Balance of Project	Solano	V	\$1,183.0	\$209.9	-7.2	-2,200	-\$8.7	-\$28,000	3	
230327			.,								
22346	Express bus service expansion along I-580 corridor	Contra Costa	V	\$50.0	\$9.0	0.4	30	\$7.4	\$108,000	3	
230326 230570*	I-80/I-680/SR12 Interchange - Phase 1 I-80 EB & WB HOV lanes between Carquinez Bridge and SR-37	Solano Solano	NC NC	\$513.0 \$105.0	\$67.2 \$14.3	1.3 -3.7	-2,100 -620	\$21.4	-\$13,000 -\$10,000	2	
n/a		Solano	N/A	\$69.8	\$8.7	-3.7	-020	-\$1.7 -\$4.7	-\$10,000	2	
	West Texas to SR-12 East)		-	·	*-		,	·	. ,		
21714	3. (Santa Clara	NC	\$233.0	\$26.0	7.2	7,500	\$1.7	\$1,600	2	Under review.
	widening between Monterey Road and SR 25 and connection to Santa Teresa Blvd)										
B/C Ratio	o of 1 to 4, cont.										
	Transit Capital Shortfall	Regional	NC	\$11,199.0	\$783.9	N/A	N/A	N/A	N/A	2	B/C based on dollars saved by
	·	· ·									performing maintenance on time.
											Average annual benefit for high
21011	Transportation for Livable Communities + (TOD emphasis)	Regional	NC	\$1,500.0	\$129.4	164.7	94,000	\$0.5	\$800	2	funding scenario B/C based pivots off estimated VMT
	, , ,							·			reduction
94644	Route 92 westbound slow vehicle lane between Route 35 and I-280	San Mateo	NC	\$82.0	\$8.4	-0.3	3,800	-\$12.8	\$1,100	2	
21612	Improvement of Dumbarton Bridge access to US 101	San Mateo	NC	\$317.0	\$27.0	1.3	10,000	\$11.9	\$1,590	2	
	US 101 Widening to 6-lane Freeway: SR 25 to SR 129	Santa Clara	V	\$170.0	\$15.4	0.5	200	\$17.9	\$45,800	2	
230496 230271	SR 12 Improvements: Phase 2 I-80 Express Bus Service	Solano Alameda	NC NC	\$150.0 \$70.0	\$15.0 \$12.6	-0.8 2.0	-4,000 100	-\$11.0 \$4.2	-\$2,300 \$81,800	2	
21030	I-580/US 101 interchange improvements and new freeway-to-freeway	Marin	V	\$70.0	\$7.4	0.4	2,000	\$4.2 \$11.6	\$2,500	2	
21030	connector from northbound US 101 to eastbound I-580	IVIAIIII	v	ψ90.0	Ψ1.4	0.4	2,000	Ψ11.0	\$2,500	2	
22516		Contra Costa	V	\$70.0	\$11.4	7.2	1,000	\$1.0	\$7,600	2	
	cou			,	•		,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
22415	Expand historic streetcar service	San	NC	\$8.2	\$2.2	0.1	3	\$13.0	\$466,000	2	B/C is for E-line upgrade only. Does
		Francisco									not reflect F-line extension
21205,	I-680/Route 4 interchange (Phase 1, 2 and 3) and (Phases 4 and 5) and HOV	Contra Costa	NC/V	\$320.2	\$21.9	-7.9	-1,100	-\$2.1	-\$15,000	1	
22350	flyover ramps										
22162	Route 237 westbound to Route 85 southbound connector ramp improvements	Santa Clara	NC	\$37.0	\$2.6	-1.3	-590	-\$1.5	-\$3,300	1	
0.4500	F (W (0) B (() N () F (() H) () O()		NO	0 450.0	20.7	40.0	000	* 0.0	007.000		
94506 230287	East-West Connector Project in North Fremont and Union City Goods Movement Emissions Reduction Project	Alameda	NC NC	\$150.0	\$8.7	-10.8	-300	-\$0.8	-\$27,000	1	Benefit based on CO2 and
230287	Goods Movement Emissions Reduction Project	Regional	NC	\$106.5	\$8.1	N/A	2,200	N/A	\$6,100	1	particulate emissions.
22400	Construct Route 239 from Brentwood to Tracy Expressway	Contra Costa	V	\$200.0	\$11.2	-7.8	6,100	-\$1.5	\$1,900	1	paracalate officerories
230099		Alameda	NC	\$392.5	\$19.0	0.4	200	\$52.3	\$98,300	1	
230294	New SR 152 Alignment: SR 156 to US 101	Santa Clara	V	\$350.0	\$15.8	-2.0	18,000	-\$9.5	\$1,000	1	
22605,	SR4 Bypass: a) Segments 1 & 2: widen from 4 to 6 lanes from Sand Creek to	Contra Costa	V/NC/V	\$219.0	\$10.4	-10.6	-2,500	-\$1.2	-\$5,100	1	
98222,	Balfour, and widen segment 3 to 4 lane; b) Segment 1: Route 160 freeway-to-										
230208	freeway connectors to and from the north; and c) Widen from 4 to 6 lanes from										
20242	Laurel Road to Sand Creek Road	Cambra C'		фг ^	AF 5	4.0		фг -	#05 100		
22343 21613	Express bus service expansion along I-680 corridor, Phase 2	Contra Costa San Mateo	V NC	\$57.0	\$5.5	1.2	80 5.600	\$5.7	\$85,100	1	
21013	Route 92 improvements from San Mateo Bridge to I-280, includes uphill passing lane from US 101 to I-280	Jan Mateo	INC	\$186.2	\$7.2	-9.1	-5,600	-\$1.1	-\$1,700	1	
230207	Geneva/Harney Bus Rapid Tansit	San	NC	\$202.0	\$9.0	1.2	30	\$10.6	\$422,000	1	
200201	Conovariantey Duo Rapia Tarion	Francisco	140	ψ202.0	υ.υ	1.4	30	ψ10.0	ψ+∠∠,000	'	
230252	Marin County Local Transit Expansion	Marin	NC	\$56.0	\$12.2	2.7	100	\$6.7	\$181,000	1	
22981	Widen Route 4 as continuous 4-lane arterial from Marsh Creek Road to San	Contra Costa	V	\$100.0	\$3.3	0.1	1,700	\$105.5	\$3,400	1	
	Joaquin County line										

RTP ID#	Project Title	County	Invest Type [1]	Project Capital Cost ('07\$M)	Total Annual Benefit ('07\$M)	Annual VMT Reduced (mill) [2]	Annual CO ₂ Reduced (tons) [2]	Reduced	Cost Per Ton CO ₂ reduced [2]	Benefit/ Cost [3]	
B/C Ratio	o of less than 1										
22247	Regional Bicycle Network	Regional	NC	\$1,300.0	\$34.8	59.2	33,800	\$1.1	\$1,900	0.5	
230550	Transportation Climate Action Plan	Regional	NC	\$184.0	\$13.0	N/A	271,200	N/A	\$200		Benefit based only on CO2 reduction
230571	I-80 EB & WB HOV Lanes (SR 37 to Red Top Rd.)	Solano	NC	\$107.0	\$2.4	-3.7	-620	-\$1.7	-\$10,000	0	
22671	Construct direct HOV connection between southbound I-880 to westbound Route 84 (Dumbarton Bridge approach)	Alameda	NC	\$125.0	\$0.6	0.3	510	\$19.6	\$12,300	0	Project too small to capture meaningfully.
22423	Lifeline	Regional	NC	\$1,600.0	\$1.8	N/A	N/A	N/A	N/A		Benefit based only on reduced auto ownership costs
22352	I-680/Norris Canyon Road HOV direct ramps in San Ramon	Contra Costa	NC	\$80.0	-\$0.2	-0.2	200	-\$21.4	\$20,400		Project too small to capture meaningfully.
94050	Upgrade Route 4 to full freeway from I-80 to Cummings Skyway (Phase 2)	Contra Costa	V	\$75.0	-\$3.2	-25.2	-14,800	-\$0.2	-\$300	-1	Under review

Notes

^[1] V = Proposed as Vision Investment; NC = Proposed as New Commitment Investment

^[2] negative number indicates an increase in VMT or CO₂ emissions

^[3] B/C is based on total benefit divided by annualized cost. Refer to the detailed worksheet for annualized cost.

Delay reduction/travel time saving is the single biggest component of benefit, as measured here. B/C can be understood as a cost effectiveness measure for delay reduction and time savings

^{*} Project analyzed may differ slightly from project submitted, as per discussions with the CMAS under the Freeway Performance Initiative corridor studies

Table 2: Benefit-Cost Analysis of Regional Funding Programs, May 8, 2008 Summary of Draft Results

_		Alternative	
Program	Approximate B/C	Performance Metric	Notes
FREEWAY PERFORMANCE	Most direct impa	ct on delay and only progra	am run through regional model
Freeway Performance Initiative	28		
MAINTENANCE	While B/Cs are lo	w to average, the actual do	ollar value of the public savings by performing maintenance on time is huge
Local Streets and Roads Capital Shortfall	5	Total savings = \$9.5 B to \$39 B (Depending on level of regional investment)	B/C ratio reflects avoided increases in deferred maintenance and rehabilitation costs as well as savings in private extra vehicle operating costs incurred by driving on poorly maintained roadways, divided by the 25-year regional investment in maintenance shortfalls. Other benefits that are not accounted for here include impact that varying states of repair have on air quality, congestion, goods movement, emergency services, transit efficiency, etc
Transit Capital Shortfall	2	Total savings = \$1.5 B to \$16 B (Depending on level of regional investment)	Reflects 1) the public benefit of avoided increases in rehabilitation and maintenance costs, and 2) the private benefit for passengers of avoided delays due to increased reliability, if transit capital assets are replaced and rehabilitated in a timely manner. Reflects only a small portion of the benefits of transit capital maintenance; does not include other benefits of maintaining an operable transit system, such as increased ridership, reduced congestion, reduced emissions, and increased mobility.
FOCUSED GROWTH	Programs support benefits proportion		uces delay and emissions, but do not have huge, direct delay reduction
Regional Bike Network	0.5		Bridge links account for approx 50% of total cost and 14% of mileage.
TLC + (recommended shift to	2		Higher VMT reduction from realignment of program to facilitate TOD. But program at this scale is still
facilitate TOD)			marginal compared to Focused Growth scenario tested in the Vision.
TLC (current emphasis)	0.4		Modest VMT reduction associated with amenities that are currently funded through TLC
AFFORDABILITY	Programs mainly a	ffect amount of funding sp	ent by low-income households on transportation
Lifeline	0.03		Benefits include reduction in auto-ownership costs only.
Means Based Fare Subsidy	1	Reduces transportation expenditures as share of total expenditures from 36% to 33% for households with annual income < \$15,000	Benefits include reduction in transit fare expenditures only. This is essentially a direct transfer
EMISSIONS REDUCTION			programs are most cost-effective strategies for emission reduction. To f magnitude lower than for other programs.
Climate Change	0.4	\$200 per ton CO2 reduced	Benefits reflect CO2 reductions only. Under other projects and programs, the cost per ton reduced is
Cilinate Charige	0.4	ψ200 per ton CO2 reduced	in the thousands or tens of thousands
Port Emissions/Truck Retrofit	1	\$560 K per ton PM2.5	Benefits reflect CO2 and particulate emissions only. Under other projects and programs, the cost per
TOT ETHISSIONS/ TRUCK INCHION	,	reduced	ton reduced is in the millions or tens of millions

Table 2: Draft Benefits and Costs of Regional Funding Programs May 8, 2008

	FOC	USED GROWTH		AFFO	RDABILITY	EMISSIONS REDUCTION		
		TLC	TLC +		Means Based		Truck	
		(current	(TOD		Transit	Climate	Emissions	
	Bike Network	emphasis)	emphasis)	Lifeline	Discount	Protection	Reduction	
COST (2007\$)	•	•	•		•			
Total 25-Year Cost	\$1,300,000,000							
Lifecyle of investment - for capital projects	20	20	_		n/a	1.7	n/a	
Years of funding - for operating programs	n/a	n/a			25		8	
Annual cost in 2035	\$ 65,000,000	\$ 75,000,000	\$ 75,000,000	\$ 64,000,000	\$ 45,000,000	\$ 36,800,000	\$ 13,312,500	
						Averene	Averes	
						Average	Average Annual Benefit	
DENIFFITO Voca 2025 (unless motod)						2010 - 2015	2010 - 2018	
BENEFITS - Year 2035 (unless noted) Reduction in annual vehicle trips	14,808,400	n/a	n/a	n/a	n/a		2010 - 2018 n/a	
Reduction in annual VMT (millions)	59.2	49.3	164.7	n/a	n/a	1.7		
Reduction in annual vivi (ininions)	JJ.2	40.0	104.7	TI/C	TI/A	Π/α	11/4	
Reduction in annual total delay (VHD)	546,500	454,600	1,519,500	n/a	n/a	n/a	n/a	
Reduction in annual CO2 emissions (tons)	33,800	28,100	94,000		n/a	271,200	2,200	
Reduction in annual PM10 emissions (tons)	31.9	26.5	88.6	n/a	n/a	n/a	2.0	
Reduction in annual PM2.5 emissions (tons)	8.7	7.3	24.3	n/a	n/a	n/a	22.8	
Reduction in annual motor vehicle fatalities and injuries	33	27	92	n/a	n/a	n/a	n/a	
						Average	Average	
						Annual Benefit	Annual Benefit	
VALUE of BENEFITS - Year 2035 (unless noted) in 2007\$			* 54.057.000	4 700 000		Annual Benefit 2010 - 2015	Annual Benefit 2010 - 2018	
Reduction in annual auto ownership costs (dollars)	n/a		· , ,			Annual Benefit 2010 - 2015 n/a	Annual Benefit 2010 - 2018 n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars)	\$ 13,612,000	\$ 11,323,000	\$ 19,325,000	n/a	n/a	Annual Benefit 2010 - 2015 n/a n/a	Annual Benefit 2010 - 2018 n/a n/a	
Reduction in annual auto ownership costs (dollars)			\$ 19,325,000	n/a		Annual Benefit 2010 - 2015 n/a n/a	Annual Benefit 2010 - 2018 n/a n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars)	\$ 13,612,000 n/a	\$ 11,323,000 n/a	\$ 19,325,000 n/a	n/a n/a	n/a \$ 45,000,000	Annual Benefit 2010 - 2015 n/a n/a n/a	Annual Benefit 2010 - 2018 n/a n/a n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars)	\$ 13,612,000	\$ 11,323,000 n/a \$ 8,906,000	\$ 19,325,000 n/a \$ 29,767,000	n/a n/a n/a	n/a	Annual Benefit 2010 - 2015 n/a n/a n/a	Annual Benefit 2010 - 2018 n/a n/a n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD)	\$ 13,612,000 n/a \$ 10,706,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000	n/a n/a n/a n/a	n/a \$ 45,000,000 n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a s 13,035,000	Annual Benefit 2010 - 2018 n/a n/a n/a n/a s 157,000	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000	n/a n/a n/a n/a n/a	n/a \$ 45,000,000 n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a s 13,035,000 n/a	Annual Benefit 2010 - 2018 n/a n/a n/a n/a s 157,000 \$ 42,000	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000	n/a n/a n/a n/a n/a n/a	n/a \$ 45,000,000 n/a n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a s 13,035,000 n/a n/a	Annual Benefit 2010 - 2018	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000	n/a n/a n/a n/a n/a n/a	n/a \$ 45,000,000 n/a n/a n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a s 13,035,000 n/a n/a	Annual Benefit 2010 - 2018 n/a n/a n/a n/a 157,000 \$ 42,000 \$ 7,981,000	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000 \$ 3,670,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000 \$ 12,267,000	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a \$ 45,000,000 n/a n/a n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a \$ 13,035,000 n/a n/a	Annual Benefit 2010 - 2018 n/a n/a n/a n/a \$ 157,000 \$ 42,000 \$ 7,981,000 n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions Reduction in annual motor vehicle fatalities and injuries	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000 \$ 4,412,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000 \$ 3,670,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000 \$ 12,267,000 \$ 129,375,200	n/a n/a n/a n/a n/a n/a n/a n/a n/a	n/a \$ 45,000,000 n/a n/a n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a n/a \$ 13,035,000 n/a n/a	Annual Benefit 2010 - 2018 n/a n/a n/a n/a 157,000 42,000 7,981,000 n/a \$ 8,180,000	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions Reduction in annual motor vehicle fatalities and injuries Total Benefit	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000 \$ 4,412,000 \$ 34,829,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000 \$ 3,670,000 \$ 28,973,000	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 12,267,000 \$ 129,375,200	n/a	n/a \$ 45,000,000 n/a n/a n/a n/a	Annual Benefit 2010 - 2015 n/a n/a n/a \$ 13,035,000 n/a n/a \$ 13,035,000 0.4	Annual Benefit 2010 - 2018 n/a n/a n/a \$ 157,000 \$ 42,000 \$ 7,981,000 \$ 8,180,000	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions Reduction in annual motor vehicle fatalities and injuries Total Benefit B/C Ratio (rounded, if rounds to 1 or higher)	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000 \$ 4,412,000 \$ 34,829,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000 \$ 3,670,000 \$ 28,973,000 0.4	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 8,500,000 \$ 12,267,000 \$ 129,375,200 2 \$ 455,000	n/a	n/a \$ 45,000,000 n/a n/a n/a n/a \$ 45,000,000	Annual Benefit 2010 - 2015 n/a n/a n/a 13,035,000 n/a \$ 13,035,000 \$ 13,035,000 0.4 n/a	Annual Benefit 2010 - 2018 n/a n/a n/a \$ 157,000 \$ 42,000 \$ 7,981,000 n/a \$ 8,180,000 1 n/a	
Reduction in annual auto ownership costs (dollars) Reduction in annual auto operating costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual transit fare costs (dollars) Reduction in annual delay (VHD) Reduction in annual CO2 emissions Reduction in annual PM10 emissions Reduction in annual PM2.5 emissions Reduction in annual motor vehicle fatalities and injuries Total Benefit B/C Ratio (rounded, if rounds to 1 or higher) Cost per milllion VMT Reduced	\$ 13,612,000 n/a \$ 10,706,000 \$ 2,366,000 \$ 676,000 \$ 3,057,000 \$ 4,412,000 \$ 34,829,000 0.5 \$ 1,097,000	\$ 11,323,000 n/a \$ 8,906,000 \$ 1,969,000 \$ 562,000 \$ 2,543,000 \$ 3,670,000 \$ 28,973,000 0.4 \$ 1,522,000 \$ 2,700	\$ 19,325,000 n/a \$ 29,767,000 \$ 6,580,000 \$ 1,879,000 \$ 12,267,000 \$ 129,375,200 \$ 455,000 \$ 800	n/a n/a n/a n/a n/a n/a n/a n/a n/a 1,798,600 0.03 n/a n/a	n/a \$ 45,000,000 n/a n/a n/a n/a \$ 45,000,000 \$ 45,000,000 1 n/a	Annual Benefit 2010 - 2015 n/a n/a n/a 13,035,000 n/a n/a 13,035,000 0.4 n/a \$ 200	Annual Benefit 2010 - 2018 n/a n/a n/a \$ 157,000 \$ 42,000 \$ 7,981,000 n/a \$ 8,180,000 1 n/a \$ 6,100	